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## (54) ANTIBACTERIAL AGENT

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a polymeric antibacterial agent having high antibacterial effect and good dispersion stability even in an anionic surfactant, and to provide a surfactant using the agent.

**SOLUTION:** This antibacterial agent comprises a polymer having a polymer unit (1), a polymer unit (2) and a polymer unit (3) and ratios of each polymer unit are 10–70 wt.% polymer unit (1), 20–80 wt.% polymer unit (2) and 10–70 wt.% polymer unit (3), and a surfactant containing the antibacterial agent is also provided.

(wherein, R<sub>1</sub>, R<sub>3</sub> and R<sub>8</sub> are each H or methyl; R<sub>2</sub> is H or a 1–22C alkyl or alkenyl; R<sub>4</sub> is a 2–8C alkylene; R<sub>5</sub> and R<sub>6</sub> are each a 1–5C alkyl; R<sub>7</sub> is a 1–5C alkyl, benzyl or a 1–5C alkyl benzyl; R<sub>9</sub> is a 1–22C alkyl or alkenyl; AO is oxyethylene or oxypropylene; n is a number of 1–50; and X<sup>–</sup> is a halogen ion, an inorganic anion or an organic anion.).

